

## Gulf of Mexico Harmful Algal Bloom Bulletin

6 February 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: February 2, 2006

### Conditions Report

No impacts expected in any southern Florida counties through Thursday.

### Analysis

**Keys:** The patch of elevated chlorophyll persists north of the Lower Keys, although is less defined than late last week. Medium concentrations of *K. brevis* were confirmed Feb. 1 5-10 miles north of Sawyer Key (MML). The patch has not moved significantly since Thursday, with a central point located at 24°55'N 81°32'W, but strong northerlies later in the week may move it towards the shore. The elevated chlorophyll patch extends as far north as 25°23.9'N, continued sampling is recommended. Reports of discolored water are possible. Dead fish reports possible later in the week.

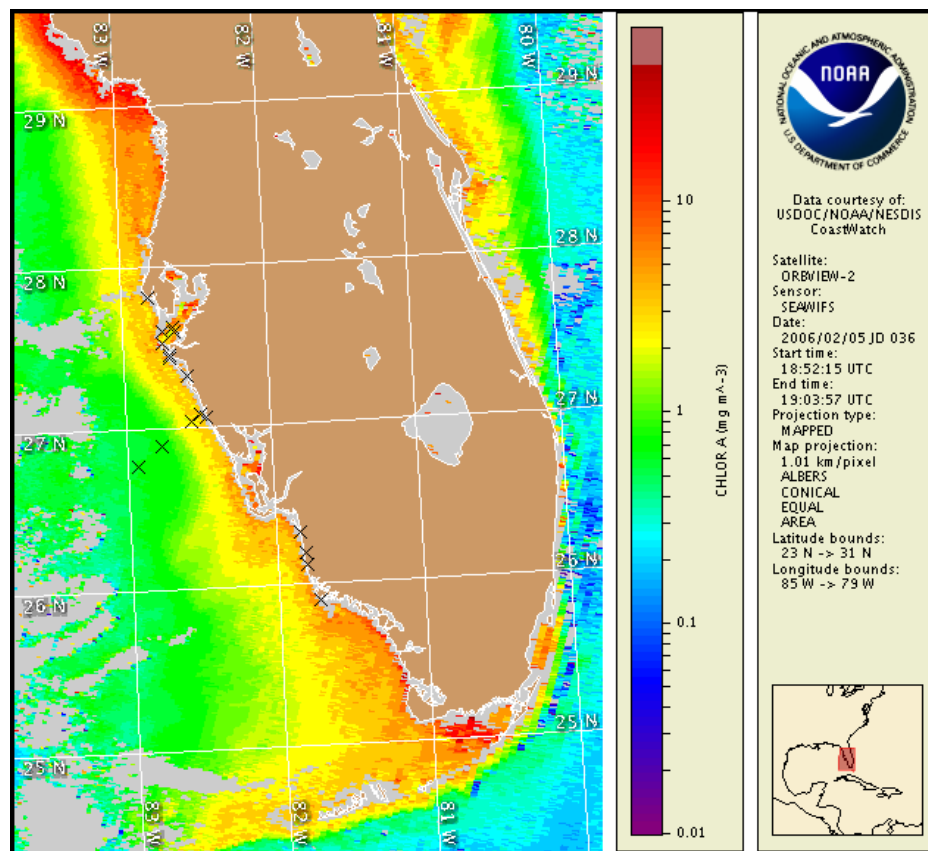
Elevated chlorophyll located northwest of Key West continues to dissipate and has moved slightly south since late last week. Its central point is currently located at 24°57.8'N 82°19.1'W. Easterlies and northerlies throughout the week will continue southwest transport of this feature.

**SW Florida:** FWRI continues to report the absence of *K. brevis* along the SW Florida Coast. Varying concentrations of non-harmful algal species continue to be found, accounting for elevated chlorophyll levels remaining along much of the shoreline from Pinellas to Collier County. Reports of discolored water are possible.

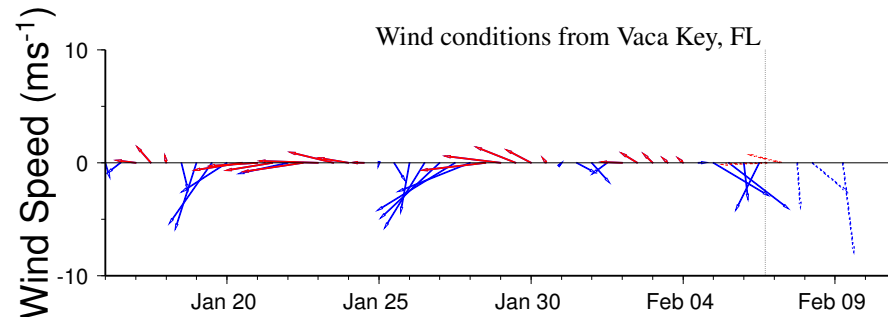
- Stolz, Bronder

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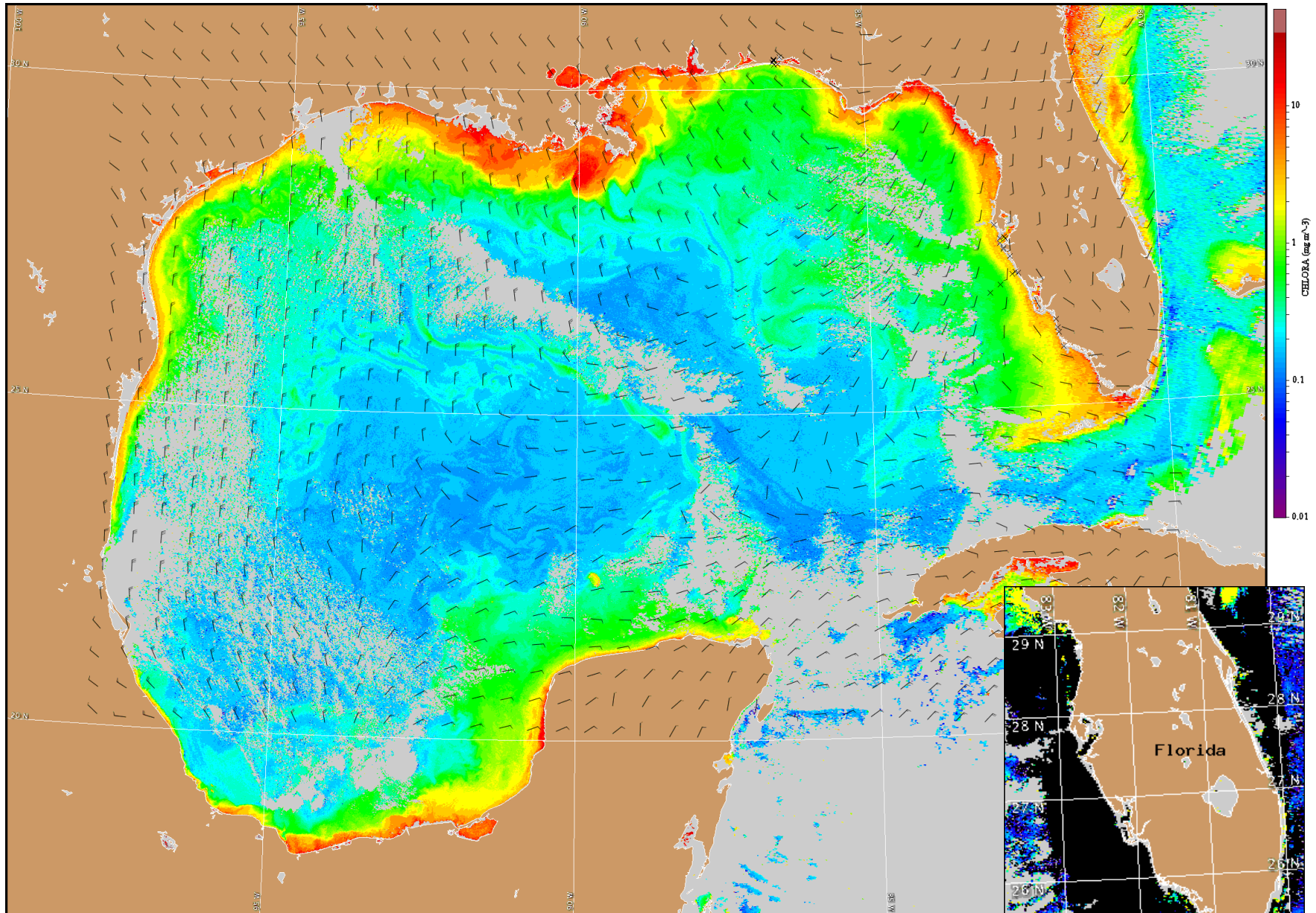


Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from January 27-31 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

**FL Keys:** Easterly winds today at 10-15 knots (5-8 m/s) and tomorrow at 5-10 knots (3-5 m/s) becoming northerly Tuesday night through Thursday, building to 15-20 knots (8-10 m/s) by Thursday.



Satellite chlorophyll image and forecast winds for February 7, 2006 12Z with cell concentration sampling data from January 27-31 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).